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Farm Building Plans

Agricultural Extension Service, South Dakota State College

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FARM BUILDING PLANS

EXTENSION CIRCULAR 462—OCTOBER 1950

Agricultural Extension Service
South Dakota State College—Brookings
U. S. Dept. of Agriculture Cooperating

Building Facts

1. Buildings are a necessary part of each farm unit. They are used to provide shelter and facilities for farm family living, to house livestock, for storage and processing of food and feed, and for utility storage or service. Most farm buildings are designed to be used for many years. A carefully planned, well-located building carefully adapted to the use for which it is intended, is a profitable investment and a source of satisfaction. On the other hand, a poorly planned and improperly built structure may prove both costly and unsatisfactory. Every building on the farm represents a longtime investment and plans for any proposed building should be carefully selected and studied.
2. The plans listed in this circular are not for elaborate and expensive buildings. Most of them are for plain, substantial, well proportioned, serviceable buildings, designed for the owner of the farm. No particular claim for originality is made in the design of these buildings as the best ideas of construction have been freely taken from other plans from practically every state in the Union. Particular effort has been made to design these buildings so that they are uniformly strong. If a building is built stronger in one place than it is in another, lumber is wasted.
3. The importance of constructing a building exactly according to the plan cannot be over-estimated. Usually a few changes will so re-arrange the plans as to change it entirely and often eliminate the best features. Small changes in a plan usually spoil the effectiveness of the ventilating system of that building.
4. A modern attractive building is not fancy. It is plain, but in good proportion, with pleasing lines and well placed windows. It is substantially built, conveniently arranged and well painted.
5. A good job of nailing is an important item in the construction of frame buildings. Investigations have shown many failures are due to poor nailing.
6. A ventilating system alone will not prevent the deposit of moisture and frost, but it will help by carrying out the excess moisture. Two other factors are important in the control of frost—the insulating of cold side-walls and ceilings, and the keeping up of the temperature to a reasonable degree. The temperature may be kept up by having plenty of stock in the barn and by keeping the overhead space low.
7. Recent tests have shown that wall sheathing when put on diagonally will often increase the strength of the wall against end thrust by seven times over sheathing put on horizontally.

Free Publications on Agricultural Engineering and Related Subjects

South Dakota Experiment Station Publications

- (1) Homemade Windrower and Two Binder Hitch. Experiment Station Circular No. 30.
- (2) Converting a Horse-Drawn Mower into a Power Mower. Experiment Station Circular No. 44.
- (3) Rammed Earth Walls for Farm Buildings. Experiment Station Bulletin No. 277 (revised).
- (4) Relation of Colloids in Soils to Its Use in Rammed Earth Walls for Farm Buildings. Experiment Station Bulletin No. 298.
- (5) Paints and Plasters for Rammed Earth Walls. Experiment Station Bulletin No. 336.
- (6) Homemade Rubber Tired Carts and Trailers. Experiment Station Bulletin No. 333.
- (7) Homemade Rubber Tired Wagons and Trailers. Experiment Station Bulletin No. 349.
- (8) Hard-Surfaced Floors for Farm Buildings. Experiment Station Bulletin No. 393.
- (9) Storing Grain Sorghum. Experiment Station Bulletin No. 396.
- (10) Galvanized or Painted Steel Fence Posts. Experiment Station Bulletin No. 400.
- (11) Cylinder Adjustments for Threshing Barley. Experiment Station No. 377.
- (12) A Tractor Mounted Manure Loader. Experiment Station Bulletin No. 378.
- (13) Electric Light and Power Systems for the Farm. Experiment Station Bulletin No. 402.

South Dakota Extension Service Publications

- (1) Laying Out the Foundation for a Building. Special Extension Circular No. 41.
- (2) How to Figure Operating Costs of Farm Machines. Extension Leaflet No. 100.
- (3) Pit and Trench Silos. Extension Circular No. 264.
- (4) Farm Building Plans, Extension Circular 462.
- (5) Poultry Houses for South Dakota. Extension Circular No. 362.
- (6) Arranging the Building in the Farmstead. Extension Circular No. 363.

- (7) Irrigating a One-Acre Garden. Extension Circular No. 366.
- (8) Insulation and Ventilation of Poultry Houses in South Dakota. Mimeographed Extension Circular No. 383.
- (9) Self-Feeders for Swine. Extension Circular No. 404.
- (10) Water and Sewage Systems for the Farm. Extension Circular No. 446.
- (11) Water, Water Softening and Water Softeners. Extension Mimeograph Circular HMM2.

Regional Publications

These publications on farm buildings and equipment are the result of a cooperative activity of 14 Midwest Land Grant Colleges and the U. S. Department of Agriculture.

- (1) Beef Cattle Housing in the North Central Region of the United States. N. C. Regional Bulletin No. 6.
- (2) Dairy Cattle Housing. N. C. Regional Bulletin No. 7 (Revised Sept. 1949).
- (3) When You Build or Remodel Your Farmhouse. N. C. Regional Bulletin No. 8.

U. S. Department of Agriculture Publications

Single copies of the following U. S. Dept. of Agriculture bulletins can be obtained free of charge when in supply at this station. If more copies are desired they may be obtained through the Superintendent of Documents, Washington 25, D. C.

- (1) Use of Concrete on the Farm. Farmers' Bulletin No. 1772.
- (2) Foundations for Farm Buildings. Farmers' Bulletin No. 1869.
- (3) Safe Water for the Farm. Farmers' Bulletin No. 1978.
- (4) Sewage and Garbage Disposal. Farmers' Bulletin No. 1950.
- (5) Silo Types and Construction. Farmers' Bulletin No. 1820.
- (6) Chimneys and Fireplaces. Farmers' Bulletin No. 1889.
- (7) How To Plan Remodeling. Miscellaneous Publication No. 619.
- (8) Insulation and Weatherproofing. Miscellaneous Publication No. 633.
- (9) Planning the Bathroom. Miscellaneous Publication No. 638.
- (10) Farmhouse Plans. Miscellaneous Publication No. 658.
- (11) Your Farmhouse Heating. Miscellaneous Publication No. 689.

Available Plans

Working drawings, a list of which follows in this circular, were prepared by three different groups:

The plans numbered from 1-999 are those prepared at South Dakota Extension Service and Experiment Station.

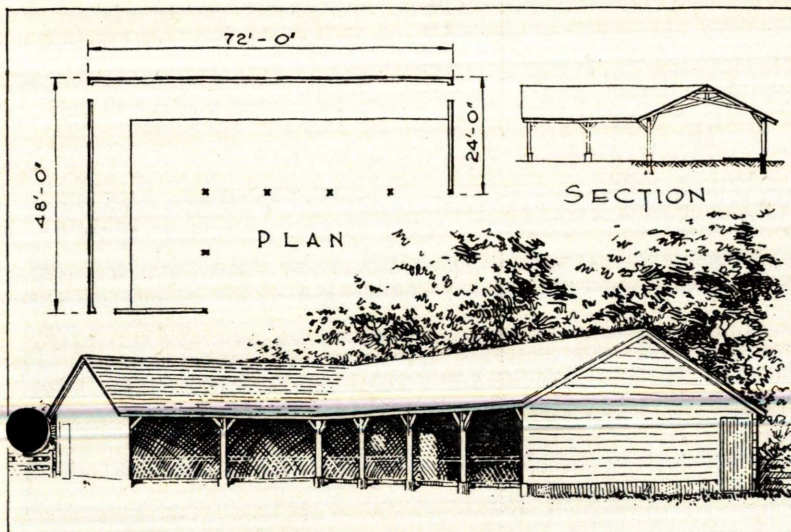
The plans numbered from 1,000—9,999 are prepared by the U. S. Department of Agriculture.

The plans numbered 10,000 and above are those prepared and published by the Midwest Plan Service for North Central Region conditions, and are prepared by the agricultural engineers of the 14 North Central Agricultural Colleges.

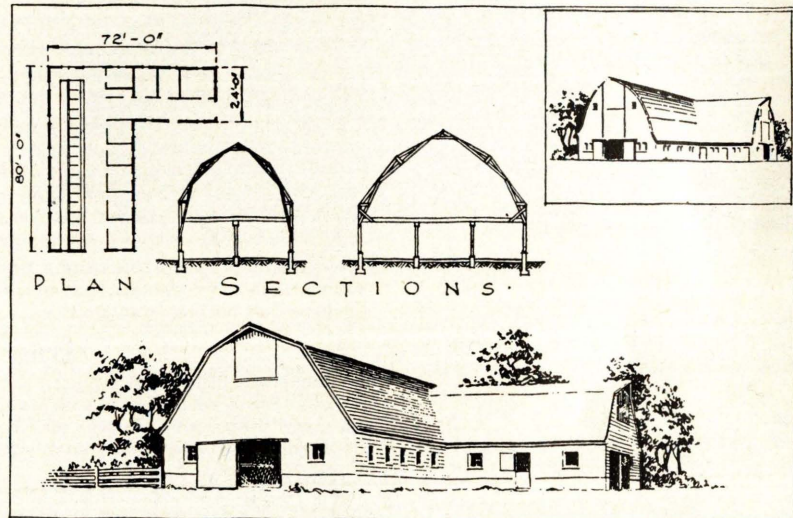
The nominal charge made for plans merely covers the cost of printing them. Since there are no special funds provided for a plan service, the South Dakota Plan Service is operated on a self-sustaining, non-profit basis through the sale of plans.

Beef Barns

- 132—Beef Cattle Shed 2 sheets 20¢
20' x 92'. Capacity for 50 fat steers. This shed is designed to fit into the north-west corner of the feeding lot. It is closed on the north and west sides and open on the east and south. Built of lumber on a good concrete foundation.
- 72403—Rectangular Open-Front Cattle Shed, 24' x 48', 2 sheets 30¢
Frame construction with trussed roof. Vertical siding. Manger shown.
- 72405—Semi-Open Cattle Shed, 30' x 100' 2 sheets 30¢
Frame construction on concrete foundation. This plan shows a service alley, mangers, and pens, as well as space for loose cattle.
- 72406—Two-Shed Cattle Unit, 3 sheets 45¢
Frame construction. This plan shows two buildings to be used together. The 24' x 56' Semi-Open Shed has a calf pen across one end with the rest of the space clear. The 24' x 70' Closed Shed has pens, mangers and feed storage space.
- 72408—Two sheets 30¢
Same as 72403 except pole construction.
- 72409—Tile Beef-Cattle Shed, 24' x 72', 2 sheets 30¢
Concrete foundation, clay tile walls. Open front.
- 72410—L-Shaped Open Front Cattle Shed, 24' x 72', 4 sheets 60¢
Pole construction. Trussed roof.
- 72411—Four sheets 60¢
Same as 72410 except concrete foundation and frame construction.
- 72412—Four sheets 60¢
Same as 72410 except concrete block wall construction.
- 72421—Beef Cattle Barn, 36' x 48', 3 sheets 45¢
Gambrel roof, braced rafter construction; concrete foundation and footings; houses 25 to 30 cattle, hay bunks along wall, mangers in center separated by feed alley.
- 72422—Beef Cattle Barn, 36' x 80' with L 36' x 40', 5 sheets 75¢
Gothic arch laminated construction. Concrete foundations and floors, 18 cow stalls, 9 pens, bull pen and feed rooms. Adapted to housing and showing purebred herds.
- 72423—Beef Cattle Barn 36' x 80' with L 24' x 40', 5 sheets 75¢
Same as 72422, except L is more narrow. 18 cow stalls, 6 pens, bull pen and feed room. Adapted to showing and housing purebred herds.
- 72424—Beef Feeding Barn, 48' x 60', 2 sheets 30¢
Clay tile wall construction. Gable roof. Hay storage floor to roof in center with space for loose cattle on both sides.
- 72431—Beef Cattle Barn, 52' x 72', 3 sheets 45¢
Pole type barn; gable roof, hay storage in center, space for loose cattle on one side and pens with grain bin and feed alley on other side.
- 72432—Beef Cattle Barn, 44' x 64', 3 sheets 45¢
Pole construction; gable roof. Loafing shed on one side, pens on other side. Hay to ground in center of building. Feed rooms at one end of center section.



Plan 72411 L-shaped open shed 24 feet wide. Intended for location at the northwest corner of the feedlot. Wings are variable in length. One wing may be used to store hay and bedding. Plan 72401, not illustrated, is identical except it is 20 feet wide for use only as a shelter.

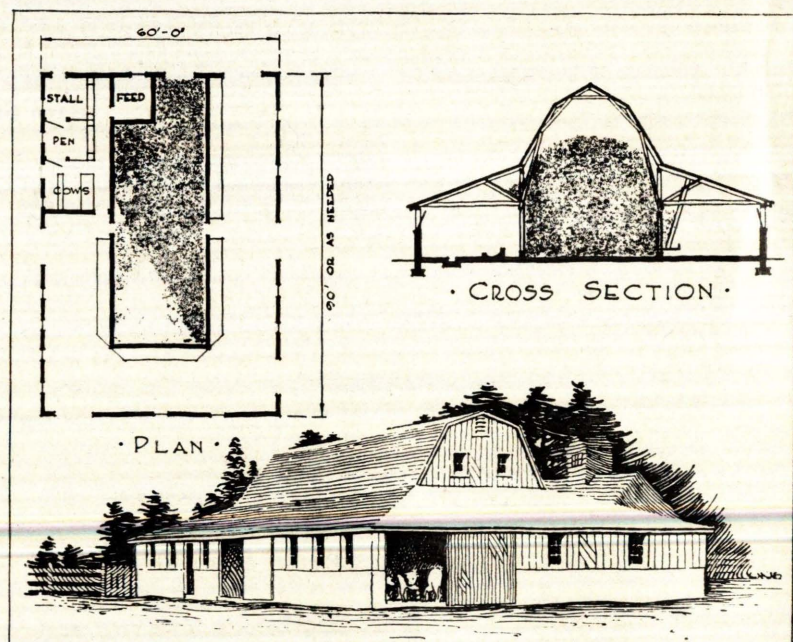


Plan 72423 Two-story stock barn. Intended for the breeder who desires the most complete facilities for housing, handling, and showing his herd. Includes tie stalls, pens, and feed rooms. An alternate plan 72421 has a central feed alley with tie stalls omitted and space on each side for cattle. The features of either plan might be used in remodeling. The extension to main barn may be open or enclosed. It can be widened to 36 feet to provide space for pens on each side of driveway. Roof may be gambrel, as illustrated, or gable or arched.

(Inset) Plan 72422. Two-story purebred stock barn. Elaborate for most beef cattle production, and intended only for the breeder who wants this more expensive barn. Shown with gothic arch roof, however gambrel roof may be used.

- 72433—Beef Cattle Barn, 60' x 78', 3 sheets 45¢
Gambrel roof center section, sheds three sides. Frame construction. Concrete foundation. Hay carried to ground in center section, fed from three sides. Contains 4 cow stalls. Pens and feed room in addition to loose cattle area.

- 77701—Barn Yard Pavement, 1 sheet 15¢
Details of concrete slab construction for barn yard pavement.



Plan 72433 Combined storage and stock barn. For general-purpose use on farms where stock cattle or feeder cattle are kept. The 18-foot sheds can be adapted for cattle, dairy cows, sheep, or horses. The roof on center section may be gable, gambrel, or arched. Openings permit convenient use of manure loaders and provide protection from weather. Doors are omitted from openings on the east or south.

General Barns

| | |
|---|-----|
| 121—General Barn Plan—4 sheets | 40¢ |
| 36' x 60'. Sets north and south, with feedway in center. Capacity as shown 8 horses, 13 cows. Calf pen and 2 box stalls. Side walls of clay block up to loft, although may be built of lumber. | |
| 122—General Barn Plan, 5 sheets | 50¢ |
| 36' x 60', with L on northeast corner for loose and young stock. Provides sheltered lot. Capacity 10 horses, 12 dairy cows, bull, 12 calves, and a carload of loose stock. Feed room and silo. Stock faces out, with driveway through center. This barn may be built in sections as funds permit. | |
| 123—General Barn Plant, 4 sheets | 40¢ |
| 34' x 46'. Sets north and south. Stock faces out, with driveway through center. Capacity 8 horses, 10 cows and good calf pen. | |
| 72101—General Purpose Barn, 32' x 32', 5 sheets | 75¢ |
| Sets north and south, gambrel roof with loft, no driveway. | |
| 72111—General Purpose Single Story Barn, 34' x 30', 4 sheets | 60¢ |
| Sets north and south, gable roof, no loft, no driveway. | |
| 72112—General Purpose Two Story Barn, 34' x 60', 5 sheets | 75¢ |
| Sets either way, gambrel roof, no driveway, 6 ft. center feed alley. Capacity 12 cows, 4 horses, calf pen, box stall, and space for loose stock. | |
| 72121—General Purpose Two Story Barn, 36' x 64', 5 sheets | 75¢ |
| Sets north and south, gambrel roof, through driveway, stock faces out. Capacity 10 cows, 8 horses, box stall, bull pen, and feed bin. | |
| 72131—General Purpose Barn, Loafing Type, 34' x 60', 6 sheets | 90¢ |
| Sets north and south, gothic roof, tile construction, special design for feeding silage. Could be used for beef or dairy cattle. | |

Dairy Barns

| | |
|---|--------|
| 111—Dairy Barn Plan, 5 sheets | 50¢ |
| 36' x 72'. Sets north and south with L on north and east providing sheltered lot. Complete ventilating system. Capacity for 25 cows, 17 calves, one bull pen, 100 tons of hay and bedding. Cattle face out, with driveway through the center. | |
| 112—Safety Bull Pen, 1 sheet | 10¢ |
| Size of pen, 16' x 64'. Size of shed, 12' x 16'. Size of breeding stall, 4' x 12'8". Pen is built of heavy cedar posts and plank. Details given. Bill of Material attached. | |
| 113—Dairy Barn Plan, 3 sheets | 30¢ |
| Gambrel roof barn, 34' x 72' with 12½' posts. Sets north and south with horses and calves in north end. Capacity 4 horses, 12 calves, 28 cows, feed in the loft, and for 50 tons of hay. Cows face out. | |
| 5021—Small Dairy Barn, 1 sheet | 15¢ |
| 18'6" x 30'6". 4 tie stalls. Calf pen and feed roof. Bill of materials included. | |
| 72301—Dairy Barn—Two Story Tie Stall Type, 32' x 80', 7 sheets | \$1.05 |
| Sets north and south, gambrel roof, dormer windows, cows face in, Capacity 26 tie stalls, 3 box stalls, calf pen, and bull pen. | |
| 72311—Dairy Barn—Tie-stall Type, 34' x 64', 7 sheets | \$1.05 |
| Sets north and south, gambrel roof with dormers, cows face out, driveway through center. Capacity 20 tie-stalls, 2 box stalls, and calf pen. | |
| 72321—Dairy Barn—Two Story—Tie-stall Type, 36' x 80', 7 sheets | \$1.05 |
| Sets north and south, gambrel roof with dormers, cows face out, driveway through center. Capacity 28 tie-stalls, 2 box stalls, and two calf pens. | |

Horse Barns

| | |
|---|-----|
| 72221—Horse Barn Two Story, 36' x 58', 3 sheets | 45¢ |
| Sets north and south, gambrel roof, dormer windows, capacity 14 single stalls, box stall, feed room and harness room. Stalls face in. | |

Barn Framing

| | |
|--|-----|
| 72001—Clyde Roof Truss, 1 sheet | 15¢ |
| 72002—Shawver Roof Truss, 1 sheet | 15¢ |
| 72003—Gothic Rafters—bent rafter type, 1 sheet | 15¢ |
| 72004—Gothic Rafters, sawed rafter type | 15¢ |

Hog Houses—Centralized

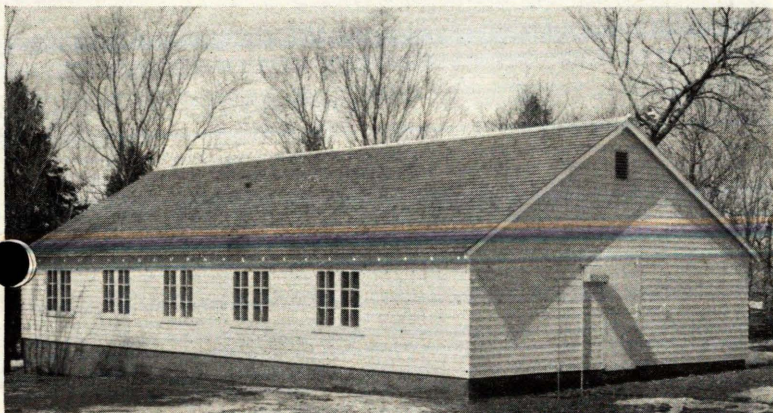
- 211—South Dakota Straw Loft House, 2 sheets 20¢
24' x 48' with straw loft overhead. Feed alley and driveway through center.
- 211-C—Concrete Block Hog House, 2 sheets 20¢
Same as No. 211 except concrete block construction.
- Dakota Hog House Plan, 2 sheets 20¢
Clay tile walls. 25' x 60', 20 pens. Sets east and west. Driveway and feeding floor through center.
- 213—Frame Hog House Plan, 2 sheets 20¢
24' x 48', 16 pens. Sets north and south. No loft. Gable roof.
- 215—Hog House with Loft Overhead, 2 sheets 20¢
24' x 48' with loft for alfalfa and bedding. Gable roof, ventilating system. Sets north and south. Bill of material attached.
- 216—Small Hog House (Not movable), 1 sheet 10¢
12' x 18', 3 pens in a row. Sets east and west. Combination roof. Bill of materials on the plan. This house may be built longer.
- 217—Economy Hog House Plan, 1 sheet 10¢
8' x 36', 6 pens. Sets east and west. Combination roof, rough lumber. No floor.
- 218—Shed Roof Hog House Plan, 1 sheet 10¢
12' x 30'. Shed Roof. Faces south, with feed alley along north. Five pens.
- 72613—Single Story Centralized Farrowing House, 24' x 42', 3 sheets 45¢
Sets north and south, low side walls, roof windows, gable roof, masonry walls.
- 72621—Two Story Centralized Farrowing House, 22' x 32', 2 sheets 30¢
Sets north and south, gable roof, loft at plate line, high foundation.
- 72622—Two Story Centralized Farrowing House, 26' x 48', 3 sheets 45¢
Sets north and south, 10' posts with gambrel roof for large loft space, 9' driveway.

Hog Houses—Colony

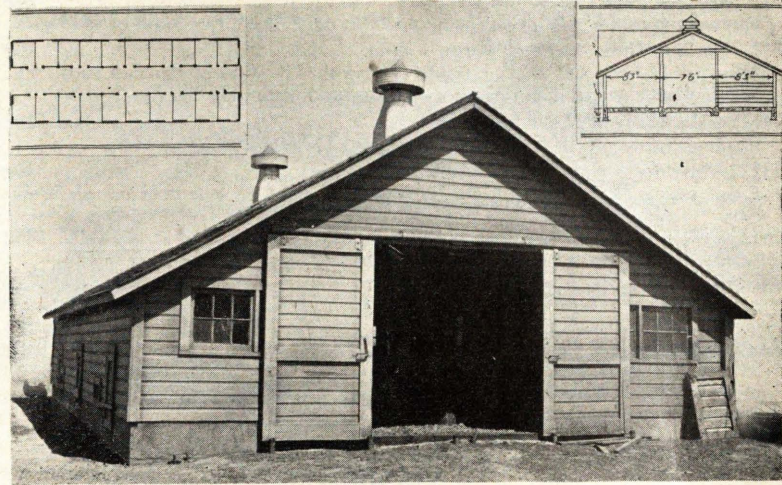
- 251—Movable Hog House Plan, 1 sheet 10¢
"A" type with sun doors in roof. 7' x 8' on the ground. Roomy, substantial, ventilated, easy to build, lumber cuts right. Bill of material on plan.
- 253—Movable Hog House Plan, 2 sheets 20¢
Rectangular house with shed roof. 6' x 8'. Bill of materials on the plan.
- 255—Two-pen Movable Hog House Plan, 1 sheet 10¢
8' x 12' with combination roof. A very economical, low type, movable hog house. Can be built from native lumber or from used lumber. Bill of material on the plan.
- 256—Two-Pen Movable Hog House, 1 sheet 10¢
8' x 12' with shed roof. Front 6' high and rear 4' high. Designed and used by South Dakota State College Animal Husbandry Department. Two houses may be moved together for combination range-farrow house. Plan for alley roof is shown.
- 72601—Portable Hog House, 6' x 7'—"A" type, 1 sheet 15¢
- 72602—Portable Hog House, 6' x 8'—Modified "A" type, 1 sheet 15¢
- 72603—Two-Pen, Straw Loft Movable, 8' x 14', 1 sheet 15¢
Shed roof is insulated with straw—not a true straw loft.
- 72604—Portable Hog House, 6' x 8' or double unit 8' x 12', 1 sheet 15¢

Poultry Houses

- 311—Poultry House Plan, 2 sheets 20¢
16' x 32' as shown in plan. The plan calls for 16' units, each unit the same size. The house may be built in lengths of 16', 32', 48' or 64'. Frame house, faces south, combination roof, straw loft, capacity of 65 or 75 birds for each 16' unit.
- 312—Poultry House—Rammed Earth, 2 sheets 20¢
Plan is for a 20' x 40' laying house with 12" pise or rammed earth walls. Faces south with a combination roof and straw loft—capacity 200 to 265 birds.



Poultry House 313



Hog House Plan 211

- 312-C—Poultry House—Concrete Block, 2 sheets 20¢
A 20' x 40' laying house with concrete masonry wall using standard 8 x 8 x 16" concrete blocks. This plan is an adaptation of Plan No. 312 with concrete block being substituted for rammed earth.
- 313—South Dakota Poultry House, 3 sheets 30¢
24' x 34'. Completely insulated and ventilated. Plan shows details of built-in feed room, nesting room, and dropping pits. Designed for comfort of laying hens and labor-saving for the operator. Capacity 300 layers.
- 72714—Poultry House—Straw Loft, Gable Roof, Concrete Block Walls, 3 sheets 45¢
- 72723—Poultry House—Shed Roof. Very flat 20' x 20', 1 sheet 15¢
- 72725—Poultry House—"Two Stories in One"—Gable Roof, 20' x 20', 3 sheets 45¢
- 72726—Poultry House—"Two Stories in One"—Gable Roof, 22' x 24', 3 sheets 45¢
- 72731—Poultry House with Straw and Storage Loft, Gable Roof, 30' x 30', 2 sheets 30¢
- 72732—Poultry House with Straw and Storage Loft, Gable Roof, 40' x 40', 2 sheets 30¢
- 72733—Poultry House—Same as above, 20' x 20', 1 sheet 15¢
- 72734—Poultry House—Same as above, 24' x 24', 1 sheet 15¢
- 72751—Two Story Poultry House. For Commercial Production, 26' x 100', 4 sheets 60¢
A full two-story house with 9 pens. Total capacity 1200 to 1700 birds.

Brooder Houses

- 351—Brooder and Colony House Plan, 1 sheet 10¢
10' x 12', with combination roof. Matches poultry house plan No. 311. Movable. Bill of material on plan.
- 352—Poultry Range House, 1 sheet 10¢
An inexpensive and easily moved range shelter with roosts. 10' x 10', of frame construction with 1" chicken mesh on four sides and shiplap covered with prepared roofing on roof.
- 72701—Portable Chick Brooder House, Shed roof, 12' x 10', 2 sheets 30¢
- 72702—Portable Chick Brooder House, Shed—Same as above 12' x 16', 2 sheets 30¢
- 72703—Stationary Brooder House—Combination Roof 3 pens, 16' x 36', 3 sheets 45¢
- 72704—Portable Chick Brooder House—Shed roof, 10' x 12', 1 sheet 15¢
- 72705—Portable Chick Brooder House—Same as above 12' x 14', 1 sheet 15¢

Turkey Sheds

- 321—Turkey Shed, 1 sheet 10¢
An inexpensive shed for turkeys. Building 24' x 24' with flat gable roof. May be converted into machinery shed. Partial open front protected with heavy woven wire fence. Capacity for 175 turkeys.

Sheep Sheds

- 5019—Sheep Shed, 1 sheet 15¢
Gable roof with 6' posts. 16' x 24'. Dirt floors. Feed rack through center. Bill of materials included.
- 72501—Single Story Sheep Shed, 24' x 32', 1 sheet 15¢
Faces south, all enclosed with double doors on south. Shed roof.
- 72502—Open Sheep Shed, 22' x 42', 2 sheets 30¢
Straight open shed divided in 3 pens with feed alley. Gable roof.

Machine Sheds

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| 711—Machine Shed Plan, 2 sheets | 20¢ |
| Frame building 24' x 60'. Continuous doors on side. Should face south or east. | |
| 712—Machine Shed—Rammed Earth, 1 sheet | 10¢ |
| This plan is for a 26' x 72' machine shed with 12" walls of rammed earth. The building has a special high clearance roof truss and three wide doors. | |
| 74121—Machinery Shed and Shop, 1 sheet | 15¢ |
| Frame construction. 20' x 48'. Shop in one end. Gable roof. Sliding doors. | |
| 74122—Machinery Shed, 2 sheets | 30¢ |
| Frame construction. 24' x 36'. One high door in end. One wide door on side. Gable roof. | |
| 74123—Machinery Shed and Shop, 3 sheets | 45¢ |
| Frame construction. 26' x 80'. Gable roof. Dormer for tall door in side. | |
| 74124—Semi-Circular Machinery Shed, 2 sheets | 30¢ |
| Hangar type. 36' x 60'. Stud-rafter construction on laminated arch ribs. Galvanized metal covering. | |
| 74127—Pole Machine Shed, 1 sheet | 15¢ |
| 24' x 36'. Roof supported by poles. All sides open. Gable roof with corrugated sheet metal roofing. Height of roof above ground can be varied by changing length of poles. 4 poles 12' on center along each side and through the center. | |

Garages

| | |
|---|-----|
| 74111—One Car Garage, 1 sheet | 15¢ |
| Frame construction. 12' x 20'. Gable roof. | |
| 74112—Farm Shop and Double Garage, 2 sheets | 30¢ |
| Frame construction. Gable roof. 20' x 24'. | |
| 74113—Two Car Garage, 2 sheets | 30¢ |
| Frame construction. 18' x 20'. Hip roof. | |

Farmstead Plans

The following plans are best adapted to a south front.

| | |
|-------------|-----|
| 811—1 sheet | 10¢ |
| 812—1 sheet | 10¢ |
| 815—1 sheet | 10¢ |
| 816—1 sheet | 10¢ |
| 817—1 sheet | 10¢ |

The following plans are best adapted to an east front.

| | |
|-------------|-----|
| 821—1 sheet | 10¢ |
| 824—1 sheet | 10¢ |

The following plans are best adapted to a north front.

| | |
|-------------|-----|
| 831—1 sheet | 10¢ |
| 833—1 sheet | 10¢ |
| 834—1 sheet | 10¢ |
| 835—1 sheet | 10¢ |

The following plans are best adapted to a west front.

| | |
|---|-----|
| 841—1 sheet | 10¢ |
| 842—1 sheet | 10¢ |
| 851—Farmstead Plans for each front, 1 sheet | 10¢ |

Miscellaneous Plans

| | |
|---|-----|
| 533—An Adjustable Cow Stall, 1 sheet | 10¢ |
| An adjustable double stall for beef cattle. Could be used for dairy stall. Length of stall is adjusted by moving manger. | |
| 534—Horse Stall, 1 sheet (small) | 5¢ |
| Detail of horse stall, showing height of manger and partition. Steel stall guards and creosote wood block floor with concrete curb. | |
| 542—Rubber Tired Trailer, 1 sheet | 10¢ |
| A four wheel trailer with hydraulic jack dump attachment, using 600 x 16 used auto tires and salvaged car frames. Good trailer hitch. | |
| 543—Rubber Tired Mounting for Moving Small Buildings, 1 sheet | 10¢ |
| This plan is for demountable attachment to small brooder or farrowing houses for moving them short or long distances. | |
| 544—Heavy Duty Tilt-Platform Rubber Tired Trailer, 1 sheet | 10¢ |
| This plan is for a two wheeled (dual wheels) trailer for truck or tractor for hauling heavy farm machinery, etc. | |
| 545—Light Car Trailer on Single Wheel, 1 sheet | 10¢ |
| This is a caster wheel trailer for auto, using standard 4 x 8 wheel-barrow pneumatic tire—for use around the farm and on the road. | |
| 550—Homemade Weed Sprayer, 1 sheet | 10¢ |
| Simple, easy to construct, homemade weed sprayer. Plan shows piping diagram showing location of the pump, by-pass valve, strainer, cut-off valve, boom connections, and nozzles. Two-way hinges on boom. Power take-off operated pump and 20-foot boom. | |
| 552—Concrete Corner Post, 1 sheet | 10¢ |
| Plan shows a substantial concrete corner and gate post for farm fence. | |
| 561—Cattle Dipping Vat, 1 sheet | 10¢ |
| After the Portland Cement Association plan. Concrete vat, 26'6" long by 3' wide with steel reinforcement. Also plank chute for dipping pen. Bill of material on plans. | |
| 562—Hog Dipping Vat, 1 sheet | 10¢ |
| After Portland Cement Association plan. A concrete vat 18' long by 2' wide, with reinforced concrete. Also chute and dipping pen. Bill of material included. | |
| 563—Sheep Dipping Vat, Portable, 1 sheet | 10¢ |
| Suggested method for mounting dipping vat on an old truck. | |
| 581—Form for Building Rammed Earth Walls, 1 sheet | 10¢ |
| A plan for building a plank form, hinged for corners. | |
| 921—Livestock Sales Pavilion Plan, 2 sheets | 20¢ |
| Square building, seats 800 people. Capacity 50 stalls for cattle, 25 hog pens. | |

| | |
|--|-----|
| 933—Wire Splicer, 1 sheet (small) | 5¢ |
| A plan for a very handy and simple tool for splicing wire. To be made at the forge of the farm shop. | |
| 5010—Portable Hay Bunk for Cattle, 4' x 12' or 16', 1 sheet | 15¢ |
| 5011—Sheep Feeding Rack, 1 sheet | 10¢ |
| 2'6" x 8'. For grain and roughage. | |
| 5037—Cattle Breeding Crate, 1 sheet | |
| 42' x 9'. Bill of materials. | |
| 5041—Dehorning and Branding Chute, 1 sheet | 10¢ |
| Squeeze type. Bill of materials. | |
| 5219—Alfalfa Feeding Rack for Hogs, 1 sheet | 10¢ |
| Rack 8' long. Capacity up to 30 hogs. | |
| 5231—Sheep Feeding Rack for Hay, 1 sheet (small) | 5¢ |
| 5232—Calf Creep Range Feeder, 1 sheet | |
| 213 cubic feet capacity. Easily moved. Has 12' feeding space on both sides. Variable creep height. Bill of materials included. | |
| 73401—Fruit and Vegetable Storage Cellar, 2 sheets | 30¢ |
| 20' x 36'. Underground with one end open to grade. No driveway. Concrete construction. | |
| 73402—Small Storage and Storm Cellar, 1 sheet | 15¢ |
| 8' x 10'. Concrete. Connects directly to house basement. | |
| 73411—Sweet Potato Storage House, 1 sheet | 15¢ |
| 12' x 16'. Above ground. Frame construction with artificial heat. Gable roof. | |
| 73421—Storage and Storm Cellar Under Garage, 1 sheet | 15¢ |
| 14' x 20'. Concrete, and also connected to basement of house. | |
| 75211—Creamery, 6 sheets | 90¢ |
| 32'6" x 72'6". A complete roomy plant for commercial production. Flat roof with brick construction. | |
| 75212—Creamery, 4 sheets | 60¢ |
| 42' x 72'. For commercial production. Masonry walls with shingled hip roof. | |
| 77201—Circular Concrete Stock Tank. Varying Diameters, 1 sheet | 15¢ |
| 77202—Rectangular Concrete Stock Tank. Reinforced. 4' x 8' outside, 1 sheet | 15¢ |
| 77321—Breeding Rack for Cows. Simple construction, 1 sheet | 15¢ |
| 77411—Feed Bunk for Steers, (Grain or Corn), 4' x 12' x 26' high, 1 sheet | 15¢ |
| 77412—Combination Grain Bunk and Rack for Cattle, 12' long, 1 sheet | 15¢ |
| 77461—Cattle Stocks. For swinging injured animals and trimming hoofs, 1 sheet | 15¢ |
| 77511—Feed Bunk for Sheep. Simple bunk 8' long. For grain, 1 sheet | 15¢ |
| 77512—Feed Rack for Sheep. For hay or roughage. 12' long, 1 sheet | 15¢ |
| 77616—Hog Alfalfa Rack, 3' x 6' x 3' high, 1 sheet | 15¢ |
| 77621—Hog Breeding and Ringing Crate. Frame construction, 1 sheet | 15¢ |
| 77631—Hog Loading Chute. Mounted on steel wheels, 1 sheet | 15¢ |
| 77641—Hog Shipping Crate, 1 sheet | 15¢ |
| 77651—Dipping Vat for Hogs and Sheep. Concrete, 1 sheet | 15¢ |
| 77661—Concrete Wallow for Hogs, 14' x 4', 1 sheet | 15¢ |
| 77671—Pig Creep. Built in Corner of lot, 1 sheet | 15¢ |
| 77672—Pig Creep. Portable. Four-sided pen, 1 sheet | 15¢ |
| 77711—Chick Feeder. Made from lath for very small chicks, 1 sheet | 15¢ |
| 77712—Inside Mash Hopper, Holds 3 gallons of mash, 1 sheet | 15¢ |
| 77713—Outdoor Poultry Feeder, 1 sheet | 15¢ |
| 77714—Oyster Shell Feeder, 1 sheet | 15¢ |
| 77715—Green Feed Rack for Poultry. Two way feeder, 1 sheet | 15¢ |
| 77716—Green Feed Rack for Poultry. One way or wall feeder, 1 sheet | 15¢ |
| 77761—Sanitary Runway or Sun Parlor for Chicks, 1 sheet | 15¢ |
| 77771—Summer Outdoor Shelter for Poultry. Low type, 1 sheet | 15¢ |
| 77781—Sun Parlor for Chicks. Connects with brooder house, 1 sheet | 15¢ |
| 77791—Watering Stand for Baby Chicks, 1 sheet | 15¢ |
| 77901—Safety Bull Pen, 2 sheet | 30¢ |
| 21' x 68' pen and 12' x 16' house. Shed roof. | |

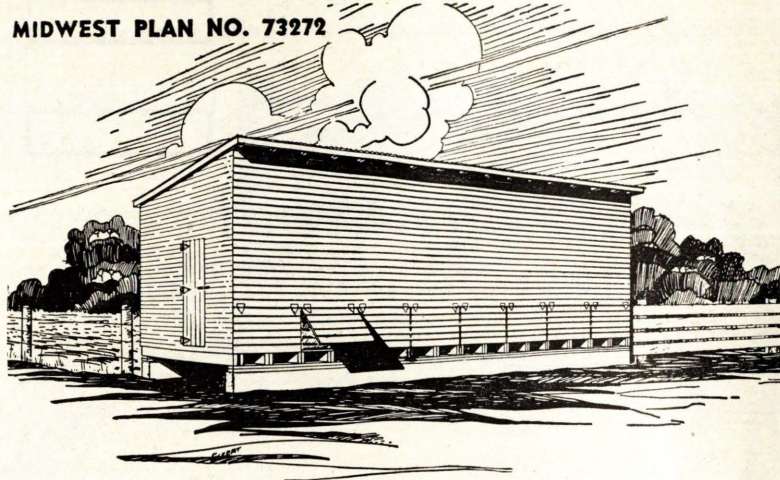


| | |
|---|----|
| 564—Electric Pig Brooder, 1 sheet | 5¢ |
| Inexpensive, easy to make, homemade pig brooder for corner of farrowing pen. Light bulb for heat. | |

Grain, Corn, and Hay Storage

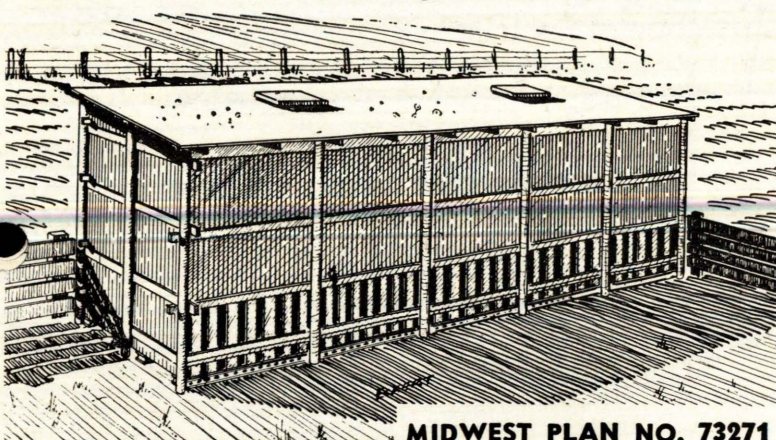
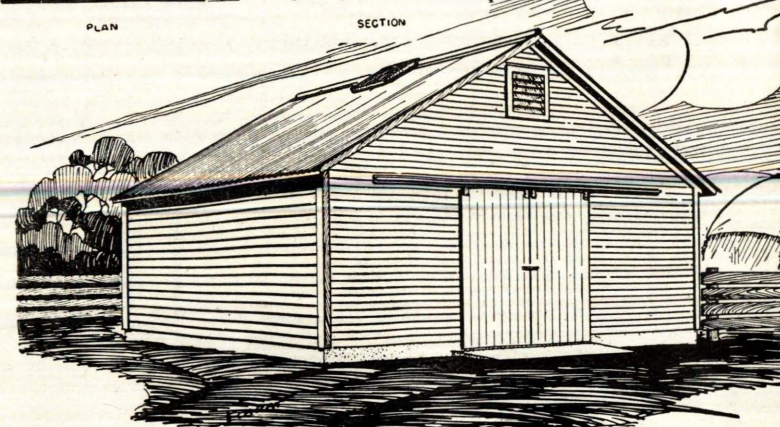
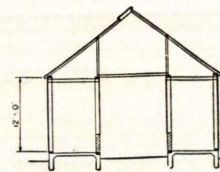
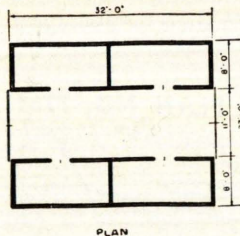
- 1011—A Single Shed Roof Corn Crib, 1 sheet** 10¢
Capacity 1,000 bu. of ear corn. Frame building 8' x 36' with 9' posts at back and sheet metal shed roof. Corner braces and long pier foundation of concrete. Materials list on plan.
- 2—Semi-permanent Corn Crib, 1 sheet** 10¢
Pole construction using slat snow-fencing for siding. Shed roof, concrete block flooring, and 12" boards at bottom to open for shelling. Concrete block floor is placed on gravel fill to promote good drainage.
- 5530—Small Movable Grain Bin, 1 sheet** 15¢
Capacity 500 bushels of grain. Frame building. Gable roof. 10' x 10' with 8' posts. On runners. Bill of materials.
- 1—Movable Grain Bin, 1 sheet** 15¢
Capacity 1000 bushels of grain. Frame building. Sheet metal gable roof. 12' x 14' with 8' posts. On runners. Bill of materials.
- 5528—Compact Granary, 4 bins, 1 sheet** 15¢
Capacity 1,800 bushels of grain. A 4 ft. alley but no driveway. Frame building. 14' x 24' with gable roof and covered with sheet metal. Bill of materials included.
- 5529—Double Granary, 1 sheet** 15¢
Capacity 6,400 bushels of grain. Storage bins over the driveway with hatches for filling with a portable elevator. Frame building 31' x 32' with 10' posts. Materials list on the plan.
- 5532—Stationary Elevator Type of Granary, 3 sheets** 45¢
Capacity 6,000 to 10,000 bushels of grain. Log dump and pit. Crib type of frame construction covered with sheet metal. 30' x 31' with 26' posts. Gable roof with sheet metal roofing. Workroom addition 10' x 20'. Materials list on plan.
- 5093—Stationary Elevator Type of Granary, 2 sheets** 30¢
Capacity 11,000 bushels of grain. High slender building with pit and hoist dump outside of the building. Crib type of frame construction covered with sheet metal and roofing. 16' x 31' with 36' posts. Two bins only.
- 5535—A Double Granary and Corn Crib, 1 sheet** 15¢
Capacity 2,000 bushels of grain and 1,000 bushels of corn. Driveway through center with grain bins on one side and corn crib on the other. Frame building 27' x 32' with 10' posts. Low gable roof covered with sheet metal. Bill of materials included.
- 5534—Stationary Elevator Type for Grain and Corn, 2 sheets** 30¢
Capacity 2,000 bushels of grain and 3,200 bushels of car corn. Suitable for hoist dump and shallow pit. Corn on both sides of driveway and grain bins overhead. A low type building 27' x 32' with 15' posts. Frame with sheet metal roof. Centered cupola. Bill of materials.
- 5026—Double Corn Crib, 1 sheet** 15¢
28' x 32' with 12' drive. With ventilation for soft corn. Bill of materials.
- The following plans (72626—75513) are illustrated in the Midwest Catalog, "Grain Storage Building Plans"—25¢.
- 72626—300 Bushel Movable Grain Bin, 1 sheet** 15¢
Double movable farrowing house convertible to 300 bushel grain bin. 8' x 12'. No partitions are used for grain storage; partition is installed for farrowing house use. Filled through roof doors. Prefabricated or farm built plywood construction.
- 72627—3,400 Bushel Grain Bin, 2 sheets** 30¢
Farrowing barn convertible to 3,400 bushel grain bin. 22' x 24' with 8' studs. No partitions are used for grain storage; partitions make six-pen farrowing barn with 4' alley. Floor in loft above is omitted for grain storage. Concrete floor; walls are drop siding over shiplap sheathing with building paper between; roof is wood shingles over shingle lath. Filled through loft doors or roof hatch. Farm built.
- 72711—500 Bushel Movable Grain Bin, 1 sheet** 15¢
Movable brooder house convertible to 500 bushel grain bin. 8' x 12' with 8' studs on high side. Frame floor on skids; walls are drop siding over shiplap sheathing with building paper between; roof is wood shingles over shingle lath. Filled through front.
- 73251—600 Bushel Movable Grain Bin, 1 sheet** 15¢
600 bushel movable grain bin. 10' x 10' with 8' studs. Frame floor on skids; walls are composition siding over shiplap sheathing; roof is roll roofing over solid sheathing. Filled through gable end.
- 73252—1,000 Bushel Movable Grain Bin, 1 sheet** 15¢
1,000 bushel movable grain bin. 12' x 14' with 8' studs. Frame floor on skids; walls are drop siding over shiplap sheathing with building paper between; roof is wood shingles over solid sheathing. Filled through gable end or through roof hatch.

MIDWEST PLAN NO. 73272



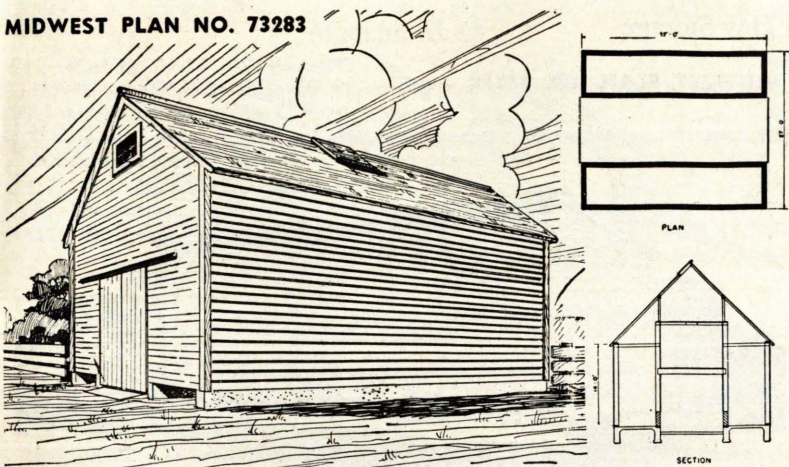
- 73261—1,500 Bushel Grain Bin, 1 sheet** 15¢
1,500 bushel grain bin convertible to single car garage. 12' x 20' with 8' studs. Dual purpose; opening is left for a garage door with provision for closing it for grain storage. No partitions. Concrete floor; walls are composition siding over shiplap sheathing; roof is corrugated aluminum over nailing girts. Filled through gable ends. Farm built.
- 73262—1,700 Bushel Granary, 2 sheets** 30¢
1,700 bushel four-bin granary. 16' x 24' with 8' studs. Particularly suited to seed storage; four bins 8' x 8' with 8' x 16' seed cleaning space. Concrete or frame floor; walls are drop siding over shiplap sheathing with building paper between; roof is wood shingles over shingle lath. Filled through gable ends or roof hatch. Farm built.
- 73263—2,500 Bushel Granary, 2 sheets** 30¢
2,500 bushel grain bin convertible to double car garage. 20' x 20' with 8' studs. Dual purpose; openings are left for garage doors with provision for closing them for grain storage. Partitioned into two 10' x 20' bins. Concrete floor; walls are asbestos-cement board over shiplap sheathing; roof is corrugated steel over nailing girts. Filled through gable ends or roof hatch. Farm built.
- 73264—8,000 Bushel Granary, 2 sheets** 30¢
8,000 bushel granary. 31' x 40' with 10' studs. Two 10' x 40' bins, 11' driveway with two 11' x 17' bins 5' high above driveway. Frame or concrete floor; walls are corrugated steel over shiplap sheathing; roof is corrugated steel over nailing girts. Filled through gable ends, roof hatches, or from driveway inside. Farm built.
- 73268—10,000 Bushel Farm Elevator. Stud Construction, 6 sheets** 90¢
- 73269—10,000 Bushel Farm Elevator. Crib Construction, 3 sheets** 45¢
- 73271—Single Snow Fence and Pole Corn Crib, 1 sheet** 15¢
8' width is variable for different climates; length is variable. Filled through roof hatches; emptied through removable gates.
- 73272—Single Corn Crib, 1 sheet** 15¢
8' width is variable for different climates; length is variable, with solid partition every 16'. Filled through roof hatches.
- 73281—Double Corn Crib, 2 sheets** 30¢
Total width of 20' with two 8' cribs variable in width for different climates and 4' alleyway; length is variable. 12' studs. Filled through roof hatch, emptied from 4' alleyway.

MIDWEST PLAN NO. 73282

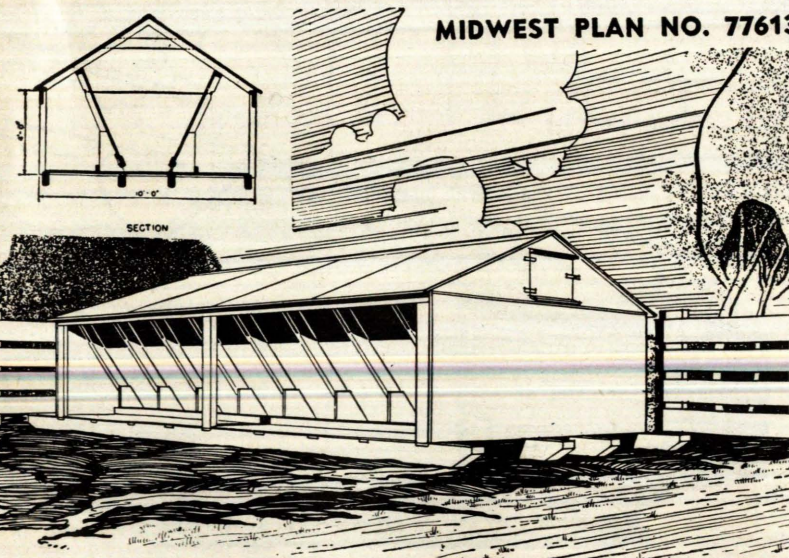


MIDWEST PLAN NO. 73271

MIDWEST PLAN NO. 73283



- 73282—Double Corn Crib, 2 sheets** 30¢
Total width of 27' with two 8' cribs variable in width for different climates and 11' driveway; length is variable. 12' studs. Filled through roof hatch.
- 73283—Double Corn Crib, 2 sheets** 30¢
Total width of 27' with two 8' cribs variable in width for different climates and 11' driveway; length is variable. 14' studs. Overhead bin. Filled through roof hatch.
- 73291—1,000 Bushel Steel Grain Bin, 2 sheets** 30¢
14½' diameter with 8' to eave. Filled through roof. Prefabricated construction.
- 73292—2,700 Bushel Steel Grain Bin, 2 sheets** 30¢
18' diameter with 13' to eave. Filled through roof. Prefabricated construction.
- 73293—1,200 Bushel Grain Bin, 2 sheets** 30¢
12' x 16' with 8' studs. No partitions. Filled through gable ends. Prefabricated or farm built on loose concrete blocks; walls of drop siding over shiplap sheathing with building paper between; roof of wood shingles over shingle lath.
- 73294—2,000 Bushel Grain Bin, 3 sheets** 45¢
16' x 20' with 8' sidewall. One bin, no partitions. Filled through gable ends or roof hatch. Prefabricated plywood construction on loose concrete blocks.
- 73295—2,700 Bushel Grain Bin, 2 sheets** 30¢
14' x 24' with 10' studs. One bin, no partitions. Filled through gable ends or through roof hatches. Prefabricated or farm built on loose concrete blocks; walls of drop siding over shiplap sheathing with building paper between; roof of wood shingles over shingle lath.
- 73296—1,100 Bushel Grain Bin, 1 sheet** 15¢
12' x 16' with 7' studs. No partitions. Filled through roof hatch. Farm built on fixed concrete foundation; walls, roof, and floor of plywood construction.
- 74132—Double Truck Garage Convertible to 4,500 Bushel Grain Bin, 2 sheets** 30¢
24' x 24' with 10' studs. Partitioned into two bins 12' x 24'. Openings are left for 10' x 10' garage doors with provision for closing them for grain storage, and for adding the ties necessary when the building is used as a grain bin. Concrete floor, walls are drop siding over shiplap sheathing with building paper between; roof is wood shingles over shingle lath. Filled through gable ends or roof hatch.
- 74133—Round Roof Machine Shed Convertible to a 4,000 Bushel Ear Corn Dryer, 4 sheets** 60¢
16' radius laminated wood arch; 32' length. All necessary details, including the drying tunnel and door closure panels, are shown. For drying, install fan and motor. Concrete floor; walls are corrugated steel over shiplap sheathing; roof is corrugated steel over nailing girts. Filled through roof hatches.

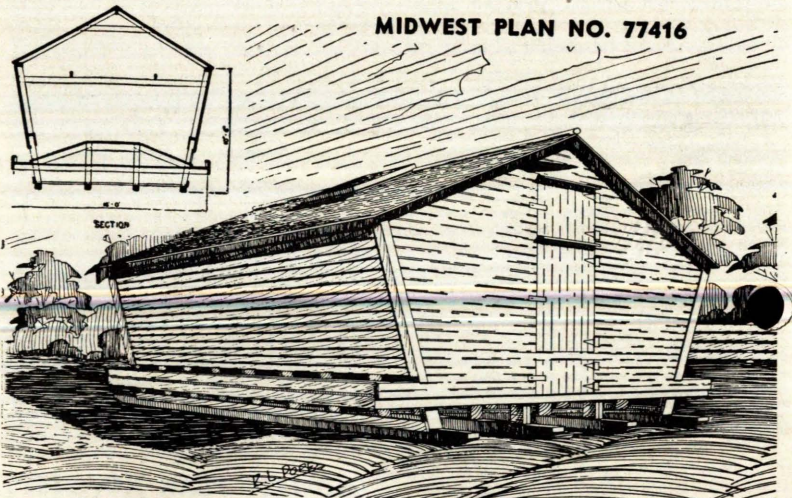


MIDWEST PLAN NO. 77613

- 75503—Steel Bin with Ventilated Floor, 3 sheets** 45¢
18' diameter with 9' to eave. Capacity for drying is 500 bushels ear corn or 1,000 bushels grain. Filled through roof. Prefabricated.
- 75513—4,000 Bushel Ear Corn Dryer Convertible to Machine Shed, 3 sheets** 45¢
28' x 40' with 10' studs. A false floor is used for drying with fan from duct at large door. Concrete floor; walls are corrugated aluminum over shiplap sheathing; roof corrugated aluminum over nailing girts. Filled through gable ends or roof hatch.
- 73101—Hay Shed, 24 x 60, 1 sheet** 15¢
Siding halfway, gable roof. Capacity 50 tons.

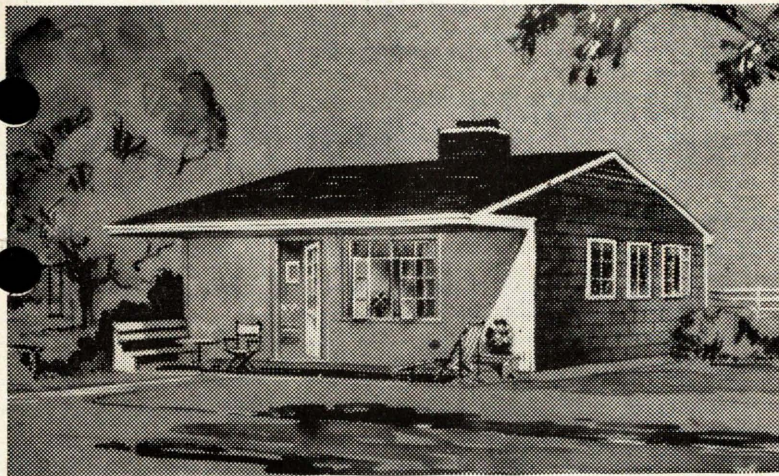
Self Feeders

- 5211—Self Feeders for Hogs, 1 sheet**
Shows plans for two feeders. One 2-way feeder for shelled corn, grain, and ground feed. Capacity 20 shoats. One feeder for ear corn and tankage. Capacity 60 shoats. Bill of material on the plan.
- 5212—Self Feeder for Hogs, 1 sheet** 10¢
One way feeder for shelled corn, grain, and ground feed; also tankage compartment. Capacity 12 to 15 shoats. Easy to build, easy to move. Good inside feeder. Bill of material on the plan.
- 5213—Portable Self Feeder, 1 sheet** 10¢
A plan for a self-feeder for cattle for feeding ground feed. Sets on a steel wheeled wagon truck.
- 5214—The 100 Bushel Self Feeder for Hogs, 1 sheet** 10¢
This feeder is 8' long and 4½' wide. May be built with or without the extended feeding platform. Type of agitator used is simple and efficient under most conditions. Bill of material on plan.
- 5215—South Dakota "Walk-In" Self Feeder for Hogs, 2 sheets** 20¢
This feeder is 12' x 16' with storage capacity for 440 bushels of feed, including the 90 bushels which the feeder itself holds. 4-foot work alley provides shoveling space for refilling the feeder and mixing feeds. A great labor-saver. Bill of material on the plan.
- 5216—250 Bushel Self Feeder for Hogs, 1 sheet** 10¢
12' x 12' with covered extended feeding platforms on both sides of the feeder. Similar to Plan No. 5214 except greater capacity. Materials listed on the plan.
- 77413—Cattle Self Feeder, Grain or Shelled Corn, 1 sheet** 15¢
4'8" x 12'. Capacity 200 to 400 bushels in varying lengths. On skids.
- 77416—Movable Cattle Self Feeder, Dryer, and Storage Unit for Grain and Ear Corn, 2 sheets** 30¢
16' x 16' with a capacity for 750 bushels of ear corn or 1,500 bushels of grain. Tunnel under sloping floor is connected to blower for drying. Frame floor; walls are drop siding over shiplap sheathing with building paper between; roof is wood shingles over shingle lath. Filled through gable ends or roof hatch. Farm Built.
- 77612—Hog Self Feeder, 1 sheet** 15¢
Six feeding compartments each side. 6' long. Feed compartments have hinged lids. Frame construction. Gable roof.
- 77613—300 Bushel Movable Hog Self Feeder, 1 sheet** 15¢
10' x 16'. Dual purpose; provides small storage space with enclosed feeding floor. Filled through gable ends. Farm built plywood construction on skids.
- 77614—400 Bushel Movable Hog Self Feeder, 1 sheet** 15¢
8' x 12' with 7' studs. Dual purpose; provides storage space which may be entirely sealed and protected. Feeding troughs along both sides when used as a self feeder. Filled through gable ends. Farm built plywood construction on skids.
- 77615—Movable Hog Self Feeder, Dryer, and Storage Unit for Grain and Ear Corn, 2 sheets** 30¢
12' x 16' with capacity of 550 bushels of ear corn or 1,100 bushels of grain. Tunnel under sloping floor is connected to blower for drying. Frame floor; walls are drop siding over shiplap sheathing with building paper between; roof is wood shingles over shingle lath. Filled through gable ends or roof hatch.



MIDWEST PLAN NO. 77416

Farm House Plans

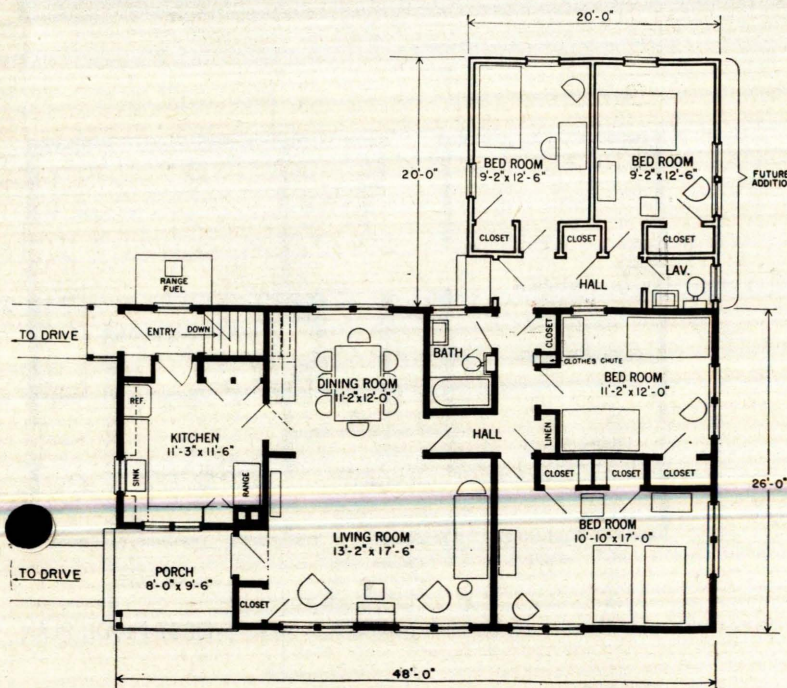
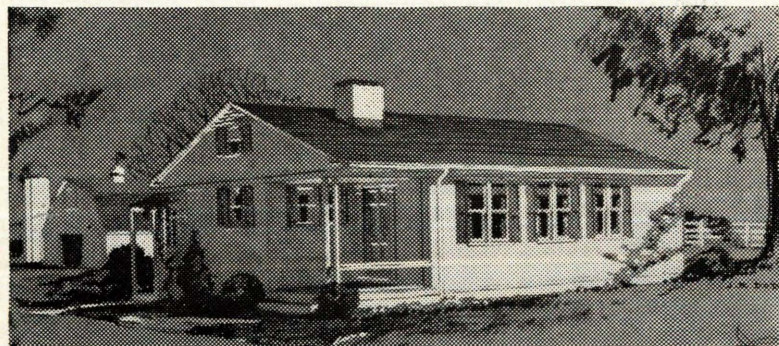


7010—Farm House Plan, 2 sheets 30¢

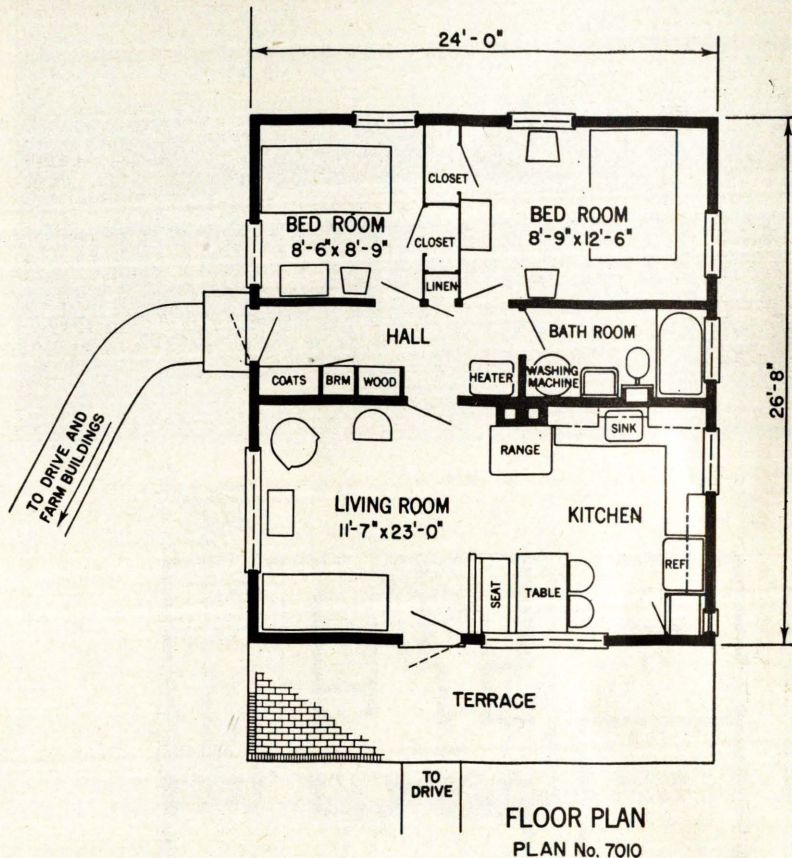
This is a minimum house, suitable for tenant house or first home of a young married couple. 24'0" x 26'8" with one large room for kitchen, dining, and living room, separate areas. One medium and one small bedroom, also bathroom. Considerable built-in storage space. 7,500 cubic feet. Frame only.

7014—Farm House Plan, 4 sheets 60¢

Designed for a growing family. Single story two-bedroom original house to which two bedrooms and a lavatory may be added. Well arranged, compact with dining room convenient to kitchen, also large living room. House is 26'0" x 47'6". Very good traffic pattern, and lots of built-in storage space. 23,600 cubic feet without the addition, 28,400 cubic feet with addition. Frame or concrete masonry.

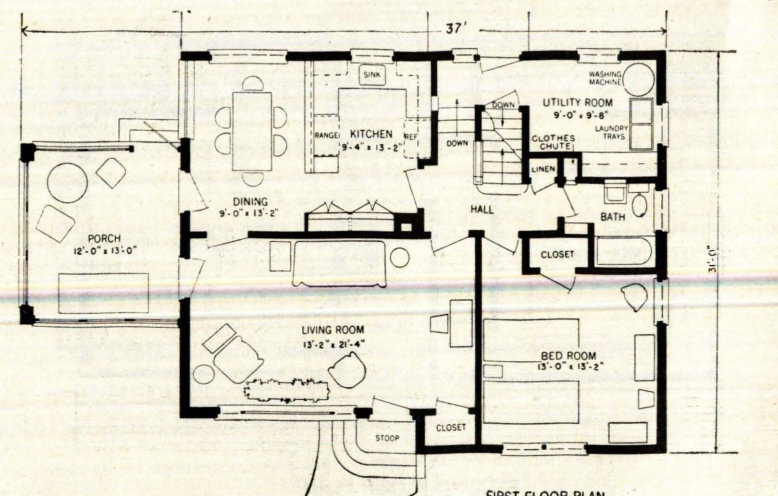
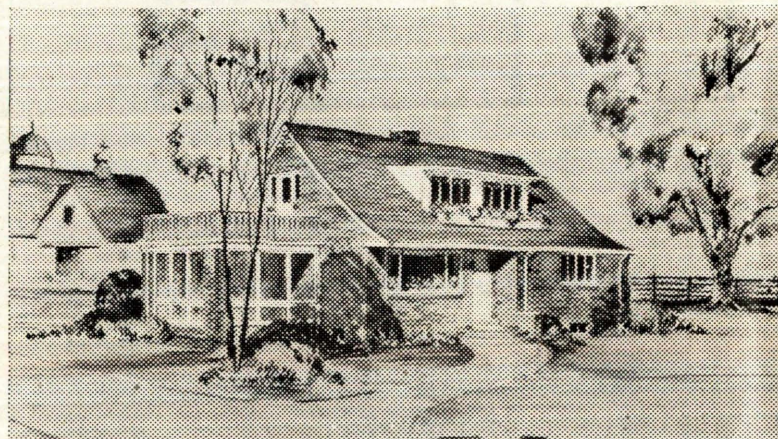


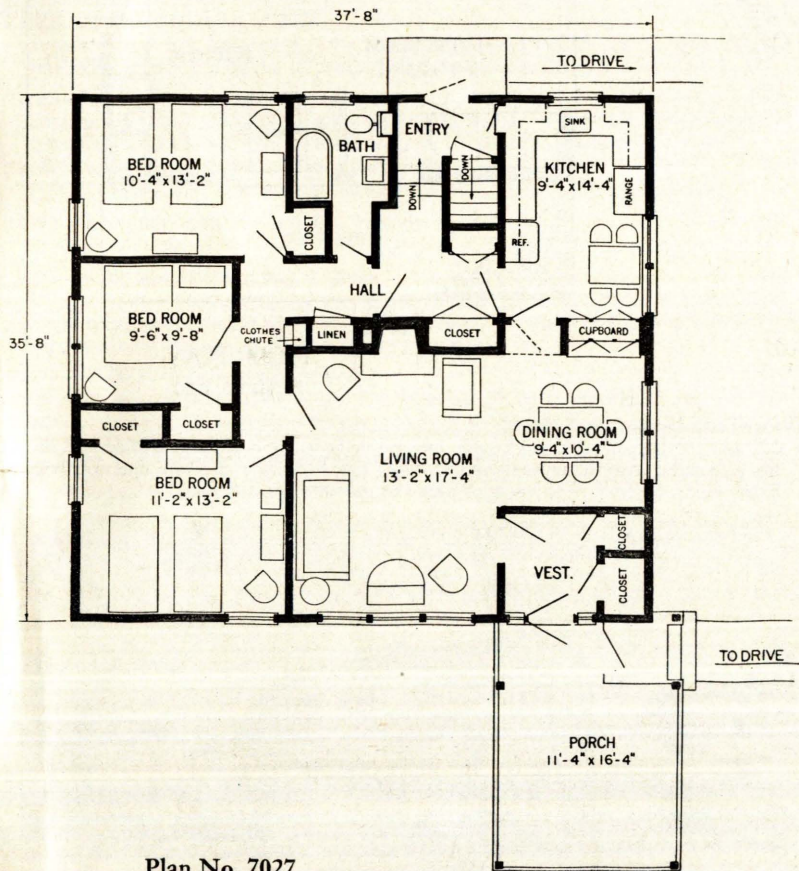
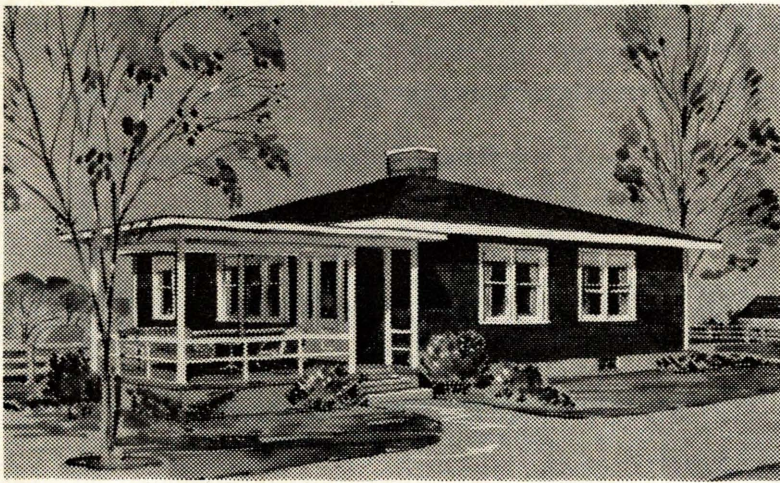
House Plan No. 7014



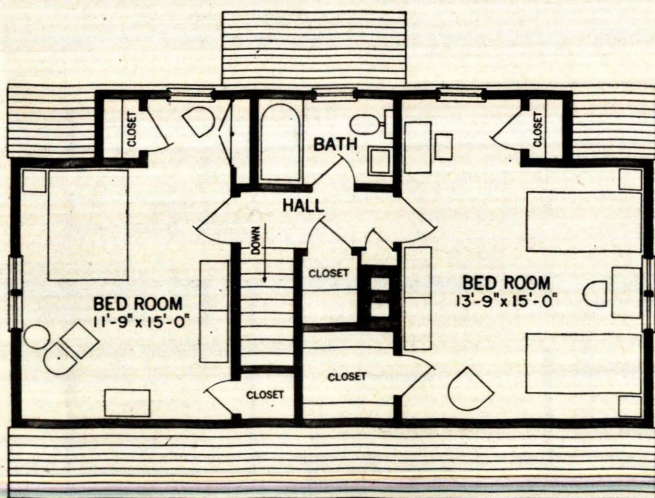
7016—Farm House Plan, 5 sheets 75¢

1½ story with good-sized workroom, one ample bedroom and bath, kitchen and dining area and a large living room on first floor. Two bedrooms and bath upstairs. Seven large closets. Suitable to any type of frame or masonry construction.



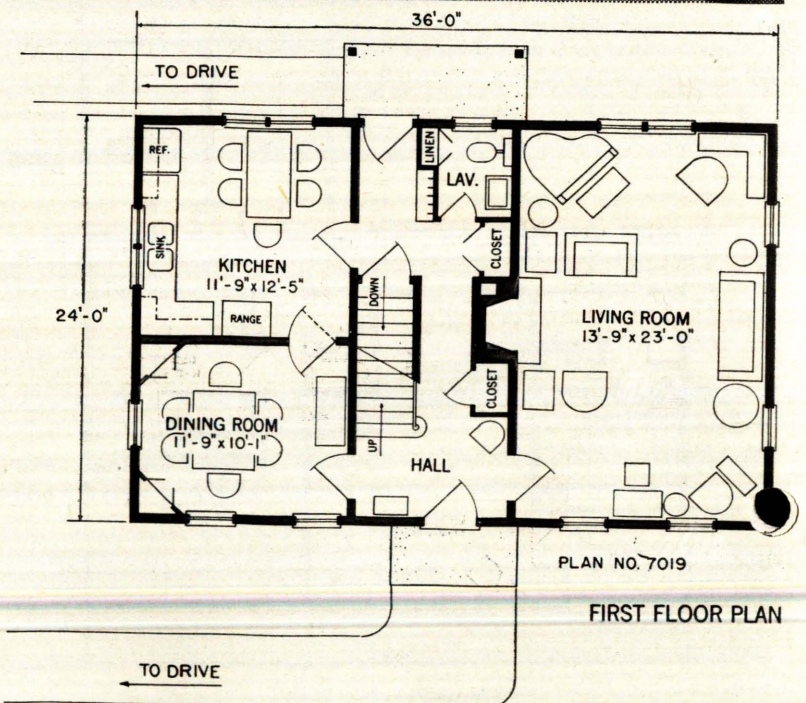
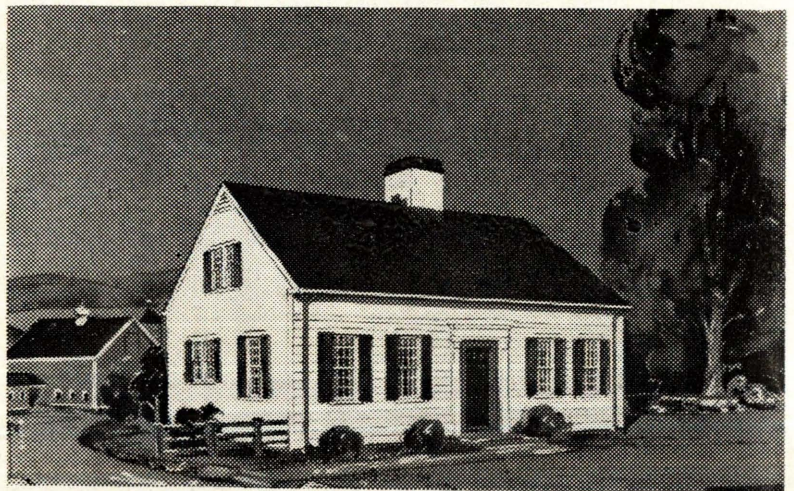


Plan No. 7027



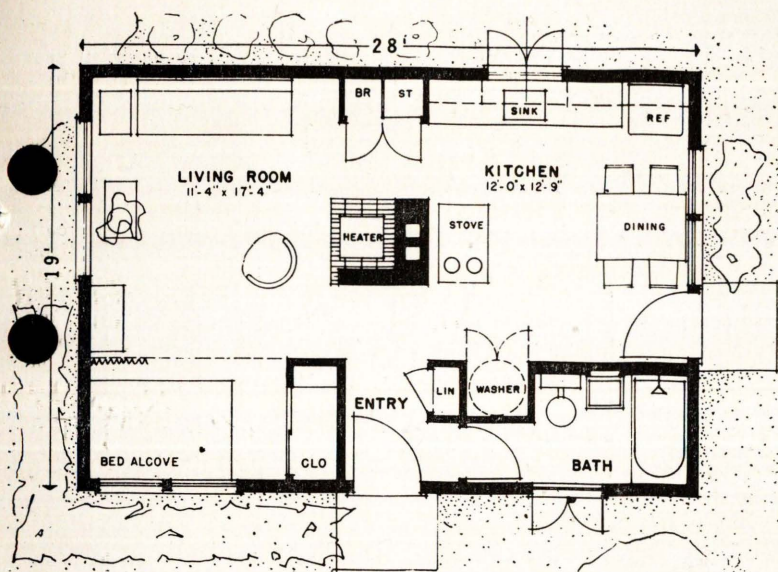
SECOND FLOOR PLAN
Second Floor Plan No. 7019

- 7011—Farm House Plan, 7 sheets** \$1.05
Of simple architecture, this one-story house is planned for the North with a basement and for the South without a basement. It is compactly arranged with three bedrooms, large kitchen with dining space, living room 18'8" x 13'4". Has good traffic lanes, storage space and closets. (See page 11 for floor plan.)
- 7023-N—Farm House Plan, 6 sheets** 90¢
Plan 7011 in concrete masonry for the North.
- 7012—Farm House Plan, 4 sheets** 60¢
Compact little one-story house of modern design suitable for a small family. Two bedrooms big enough for twin beds, adequate kitchen with dining space, a workroom, and a 11'2" x 19'6" living room. Good traffic circulation, No basement shown, frame construction, but working drawings for masonry can be substituted.
- 7013—Farm House Plan, 4 sheets** 60¢
Suitable for a small family, rustic in character, and with no basement. There are two bedrooms, large kitchen, large living room, workroom, and ample storage closet. Minimum hall space, but good traffic patterns. Good ventilation by doors and windows. Shown in log construction, but frame or masonry can be substituted.
- 7017—Farm House Plan, 5 sheets** 75¢
1½ story, medium sized house. Has a bedroom and bath on the first floor, two bedrooms and bath on the second and a well-arranged kitchen with good dining space and living room large enough for company meals. Plans also provide a large dining room, if desired. Wood frame or masonry.
- 7019—Farm House Plan, 6 sheets** 90¢
1½ story, 24'0" x 36'0" with kitchen, dining room, large living room, and lavatory downstairs. Two large bedrooms and bath upstairs. Neat, trim looking exterior. Cape Cod cottage style. 19,700 cubic feet. Frame only.
- 7020—Farm House Plan, 5 sheets** 75¢
1½ story house with two bedrooms and bath on the first floor, full basement with workroom and shower room, adequate dining space in the kitchen and a living room large enough for company meals. Upstairs space for 2 bedrooms and bath. Frame or masonry.
- 7027—Farm House Plan, 6 sheets** 90¢
Single story, practically square, three bedroom, 35'8" x 37'8" house. Also has a large living room with dining space and a kitchen well-adapted to the U-shape with some space for dining. Also has conveniently located bathroom and generous storage space. 26,500 cubic feet. Concrete masonry.



PLAN NO. 7019

FIRST FLOOR PLAN



House Plan 7048 (Basic)

7048, 12 sheets.....\$1.80

House designed for a minimum budget. The basic part can be built first and when funds permit, the house may be completed. Low in cost and convenient. Floor space in basic house, 532 square feet; the completed house, 1,048 square feet. Can be built with or without basement. Ideal for young couple.

7049, 11 sheets.....\$1.65

Another expandable house, smaller than 7048. Floor space in basic house, 480 square feet, completed, 910. With or without basement.

Home Improvements

612—Septic Tank Plan, 1 sheet.....10¢

A simple two-compartment tank. Family size. Highly efficient for farm service.

613—Farm Septic Tank, 3 sheets.....10¢

Shows section and plan views of a single chamber septic tank. Includes a table giving dimensions and concrete materials used for different sized family tanks. Also shows working drawings for collapsible and reusable forms and a typical sewage disposal system layout.

621—Sanitary Well Curb, 1 sheet.....10¢

631—Cistern Plan, 1 sheet.....10¢

A plan for an inexpensive cistern where clay soils are available. Jug shaped. Plastered on soil.

632—Concrete Cistern Plan, 1 sheet.....10¢

Cistern of reinforced concrete. Rectangular with filter on top. After Portland Cement Association Plan.

85112—Farm Septic Tank. Two chamber with automatic siphon, 2 sheets.....30¢

85521—Concrete Rainwater Filter. For use in moderate climate, 1 sheet.....15¢

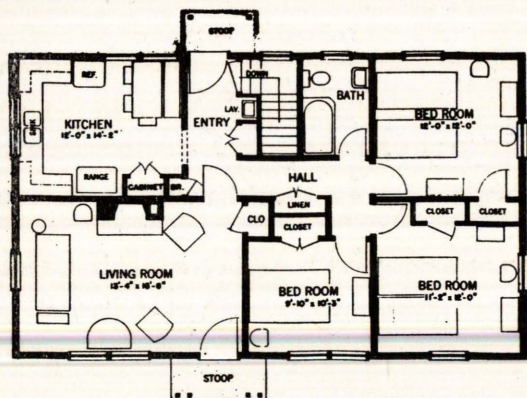
85531—Concrete Water Supply Tank for Farm. Cylindrical tank, 1 sheet.....15¢

85532—Concrete Cistern. A cylindrical reinforced cistern, 1 sheet.....15¢

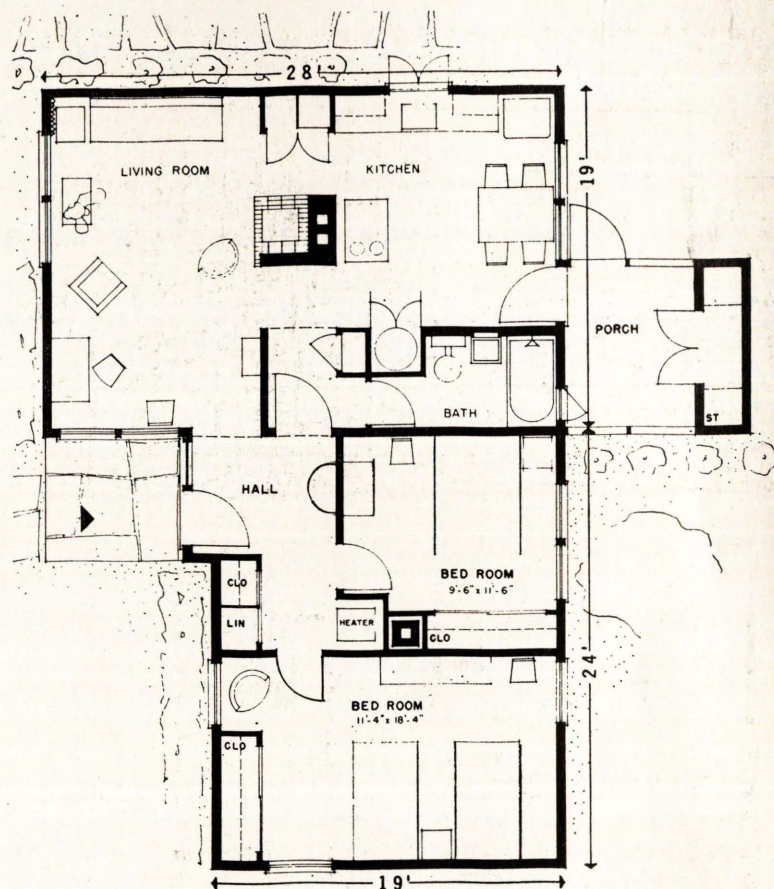
85533—Cistern. Jug-shaped brick cistern, 1 sheet.....15¢

936—Outdoor Fireplace, 1 sheet (small).....5¢

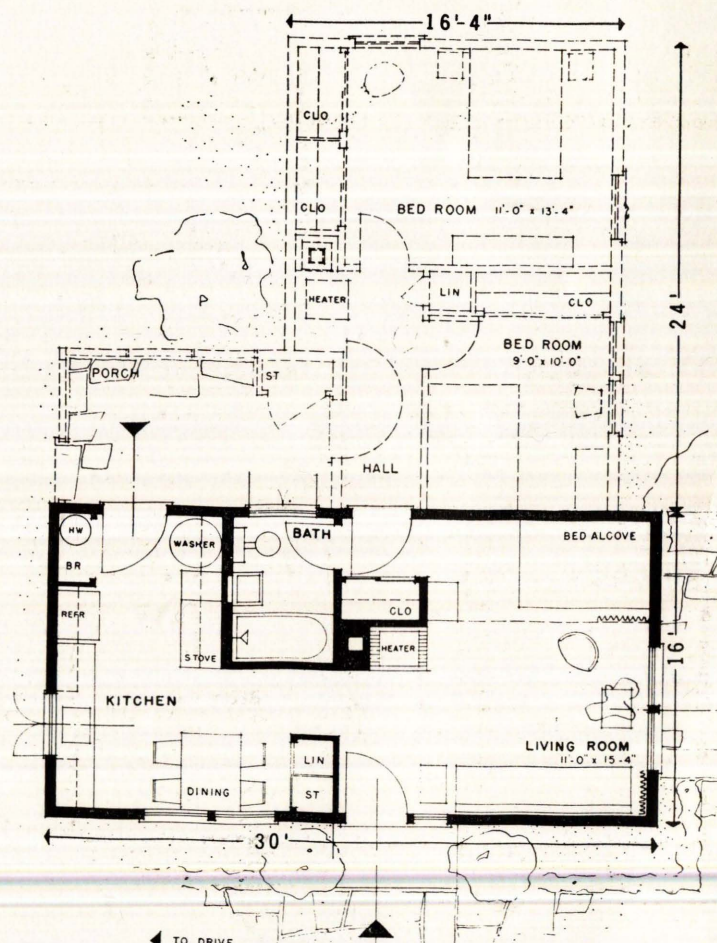
A simple, yet decorative and effective fireplace for outdoors. Made of native stone lined with fire-brick. Bill of materials included on the plan.



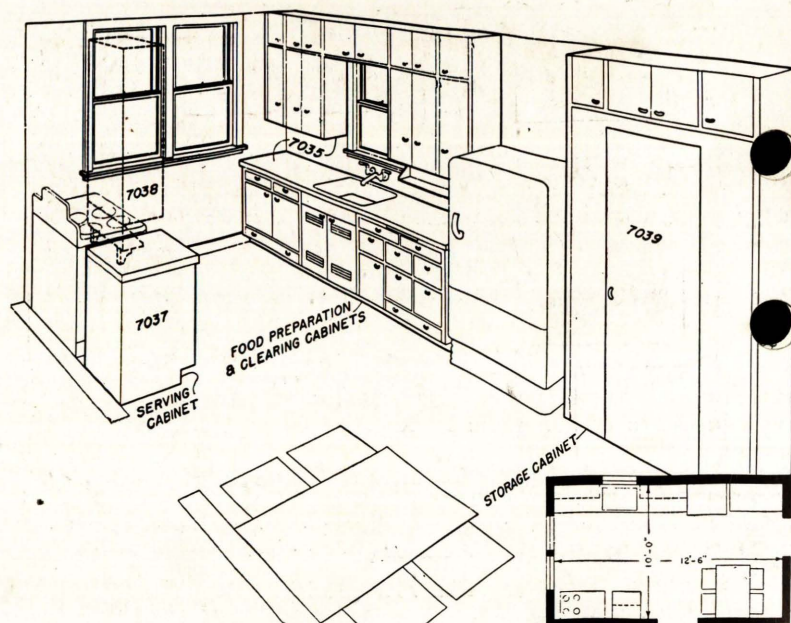
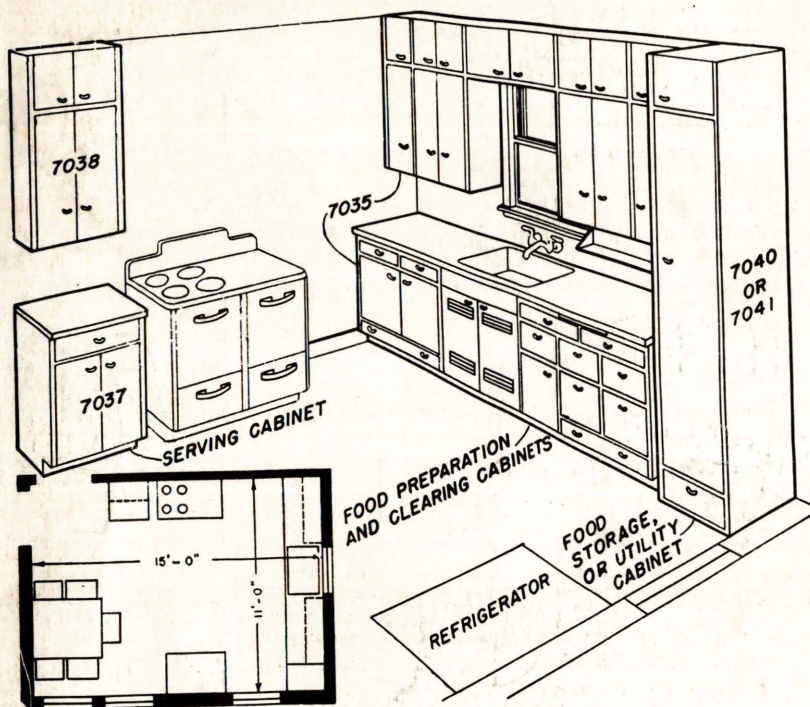
House Plan 7011



House Plan 7048 (Completed)



House Plan 7049 (With Addition)

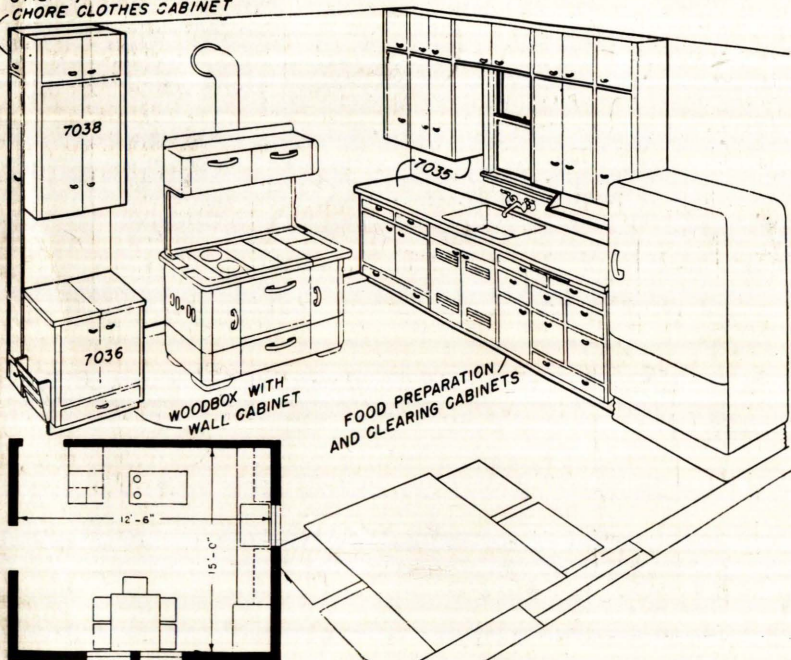


Kitchen Cabinets

7034—Home-Built Kitchen Cabinets and Suggested Kitchen Arrangements, 1 sheet. 15¢
This one sheet plan shows perspective views of all the cabinet plans 7035 through 7042 and some suggestions of arrangements in the kitchen.

7035—Food Preparation and Clearing Cabinets, 6 sheets. 90¢
This unit of two base cabinets, two wall cabinets, and a sink cabinet is planned to provide adequate working surfaces for food preparation and dish washing, storage space for supplies and equipment for those jobs, and storage for every-day dishes. Since it is the most used work center in the kitchen, the unit is designed so there can be a window above the sink to give natural light and a view of outdoor activities.

7040, 7041, OR 7042
UTILITY, FOOD STORAGE, OR
CHORE CLOTHES CABINET



7036—Wood Box, 1 sheet. 15¢
This wood box is the height of the usual kitchen range so it makes a convenient serving counter and provides a place for setting hot pans as they are taken from the stove. Meets the safety requirements of Underwriter's Laboratories and is on casters making it easy to move for cleaning or to roll it to the door for filling.

7037—Serving Cabinet, 1 sheet. 15¢
This cabinet is to take the place of the wood box when the range is gas or electric. Top provides a serving counter, and there is drawer and cupboard space underneath for utensils used at the range.

7038—Wall Cabinet, 1 sheet. 15¢
A convenient overhead cabinet which can be used above the wood box (7036) or above the serving cabinet (7037). Top shelf has a file compartments with dividers to store trays and platters. The bottom two shelves can be adapted to different storage needs.

7039—Storage Cabinet, 2 sheets. 30¢
This floor-to-ceiling cabinet can be used to store extra food supplies, the churn, milk pails, crocks, canning equipment, and other articles not in frequent use. Can be used in the kitchen itself or in an alcove or wide hall.

7040—Utility and Food Storage Cabinet, 1 sheet. 15¢
This cabinet is planned especially for storage of extra staple foods. Also provides a place where aprons can be hung. Has bottom drawer for storing seldom used articles.

7041—Utility Cabinet, 1 sheet. 15¢
Designed with dividers for storage of table leaves and the ironing board. This cabinet also has hooks for aprons and shelf and drawer space for other articles.

7042—Chore Clothes Cabinet, 1 sheet. 15¢
Planned to hold the chore clothes in daily use. Sides are ventilated so room heat will dry damp clothes and warm them for outdoor wear. Also has a slotted shoe rack and overhead shelf for hat rack. A rack on the door holds mittens and gloves.

7100—Functional U Kitchen, 7 sheets. \$1.05
Planned primarily for the farm home, the aim of this step-saving kitchen is to provide maximum convenience for the homemaker at her work. Kitchen is 16' x 11', compact, comfortable, and provides handy and ample storage for supplies and equipment. Plan shows in detail how to construct each part of the kitchen. Designed by the Bureau of Home Economics, U. S. Dept. of Agriculture.

935—Kitchen Planning Aid, 4 sheets. 40¢
Cut-outs to help in kitchen arrangement. Cabinets, range, refrigerator, sink, etc. can be arranged by cut-out models on a floor plan of the kitchen. All done to scale, this helps plan the right size rooms with necessary clearances around furniture and equipment.